

## R E M A R K S

Claims 1-26 are pending and under consideration. In the non-final Office Action of March 25, 2005, the Examiner made the following disposition:

- A.) Objected to the drawings.
- B.) Objected to the specification.
- C.) Rejected claims 6, 14, and 17 under 35 U.S.C. §112, second paragraph.
- D.) Rejected claims 1-4, 6-15, and 17-25 under 35 U.S.C. §102(e) as being allegedly anticipated by *Calder* (U.S. Patent No. 5,963,972).
- E.) Rejected claims 5, 16, and 26 under 35 U.S.C. §103(a) as being allegedly unpatentable over *Calder* (U.S. Patent No. 5,963,972) in view of *Cai* (U.S. Patent No. 6,349,363).

Applicants address the Examiner's disposition below.

A.) Objection to the drawings:

The Examiner required the submission of Figure 15, however, Applicants note there is no Figure 15 in this application. Paragraph [0040] mistakenly described Figure 15. Paragraph [0040] has been amended to correctly describe Figures 15A and 15B, instead of Figure 15. Figures 15A and 15B were submitted at the time of filing the present application.

Accordingly, Applicants are not required to submit Figure 15.

Applicants respectfully submit the objection has been overcome and request that it be withdrawn.

B.) Objection to the specification:

The specification has been amended as per the Examiner's request to overcome the objection.

Applicants respectfully submit the objection has been overcome and request that it be withdrawn.

C.) Rejection of claims 6, 14, and 17 under 35 U.S.C. §112, second paragraph:

Claim 6 has been amended to depend from claim 2.

Claim 14 has been amended to depend from claim 13.

Claim 17 has been amended to depend from claim 13.

Applicants respectfully submit the rejection has been overcome and request that it be withdrawn.

D.) Rejection of claims 1-4, 6-15, and 17-25 under 35 U.S.C. §102(e) as being allegedly anticipated by *Calder* (U.S. Patent No. 5,963,972):

Applicants respectfully traverse with the rejection.

Independent claims 1, 8, 12, 20, 23, and 24, each as amended, each claim subject matter relating to developing a data flow program comprising code segments distributed between memory regions. Data read and data write identifiers are stored for each code segment. The data read and data write identifiers identify at least a portion of the data read or written by a code segment. Dependencies are determined based on the data read and data write identifiers. Claim 19 claims similar subject matter.

This is clearly unlike *Calder*, which fails to disclose or even suggest Applicants' claimed data read and data write identifiers and fails to disclose or suggest determining dependencies based on the data read and data write identifiers. In fact *Calder* fails to even discuss Applicants' claimed data read and data write identifiers. The Examiner cites *Calder* 4:29-34 as allegedly teaching data read and data write identifiers, however, that passage merely relates to partitioning a cache.

Therefore, *Calder* fails to disclose or even suggest independent claims 1, 8, 12, 19, 20, 23, and 24.

Claims 2-7, 9-11, 13-18, 21, 22, 25, and 26 depend directly or indirectly from claim 1, 8, 12, 20, or 24 and are therefore allowable for at least the same reasons that claims 1, 8, 12, 20, and 24 are allowable.

Applicants respectfully submit the rejection has been overcome and request that it be withdrawn.

E.) Rejection of claims 5, 16, and 26 under 35 U.S.C. §103(a) as being allegedly unpatentable over Calder (U.S. Patent No. 5,963,972) in view of Cai (U.S. Patent No. 6,349,363):

Applicants respectfully traverse the rejection.

Claims 1, 12, and 24 are allowable as discussed above. *Cai* still fails to disclose or suggest Applicants' claimed data read and data write identifiers and fails to disclose or suggest determining dependencies based on the data read and data write identifiers. Therefore, *Calder* in view of *Cai* still fails to disclose or suggest claims 1, 12, and 24.

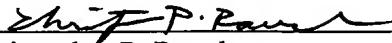
Claims 5, 16, and 26 depend directly or indirectly from claims 1, 12, or 24 and are therefore allowable for at least the same reasons that claims 1, 12, and 24 are allowable.

Applicants respectfully submit the rejection has been overcome and request that it be withdrawn.

CONCLUSION

In view of the foregoing, it is submitted that claims 1-26 are patentable. It is therefore submitted that the application is in condition for allowance. Notice to that effect is respectfully requested.

Respectfully submitted,

  
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Christopher P. Rauch (Reg. No. 45,034)  
SONNENSCHN NATH & ROSENTHAL LLP  
P. O. Box 061080  
Wacker Drive Station - Sears Tower  
Chicago, Illinois 60606-1080  
Telephone (312) 876 8000  
Customer No. 26263